| * ~ ~    |          |            |                |        |         |          |              |                             |   |  |            |          |           | 10/730,922     |              |              |           |                   |              |                   |                  |            | YUZURIHARA ET AL. |                    |         |                     |           |           |         |   |
|----------|----------|------------|----------------|--------|---------|----------|--------------|-----------------------------|---|--|------------|----------|-----------|----------------|--------------|--------------|-----------|-------------------|--------------|-------------------|------------------|------------|-------------------|--------------------|---------|---------------------|-----------|-----------|---------|---|
| . ]      |          |            |                |        |         |          |              |                             |   |  |            |          |           | Examiner       |              |              |           |                   |              |                   |                  |            | Art Unit          |                    |         |                     |           |           |         |   |
|          | N/       |            |                |        |         |          |              |                             |   |  |            |          |           | NABIL Z. HINDI |              |              |           |                   |              |                   |                  |            |                   | 2627               |         |                     |           |           |         |   |
|          | 4        | √ Rejected |                |        |         |          |              | (Through numer<br>Cancelled |   |  |            |          |           |                |              |              | N         | Non-Elected       |              |                   |                  | A          | Appeal            |                    |         |                     |           |           |         |   |
|          | =        | = Allowed  |                |        |         |          | + Restricted |                             |   |  |            |          |           |                |              |              | ı         | int               | Interference |                   |                  |            | 0                 | Objected           |         |                     |           |           |         |   |
| Claim    | مد       | o Date     |                |        |         |          | _            | _                           | ] | Claim  |            |          |           | -              | _0           | ate          |           | CI                |              |                   | aim              |            | Date              |                    |         | <u> </u>            |           | ]         |         |   |
| Final    | 2        |            |                |        |         |          |              |                             |   | Final  | inal       |          |           |                |              | I            |           |                   |              | ]                 | lat              | inal       |                   |                    | Τ       |                     |           |           |         | ]   |
|          |          |            |                | ı      |         |          |              |                             |   | 듄  | Original   |          |           |                |              |              |           |                   | l            |                   | Final            | Original   |                   |                    |         |                     |           |           |         | 1   |
| با       | 77       | $\Box$     | $\Box$         | 丰      | Ţ       | 1        | L            |                             | 1 |  | 51         |          |           |                |              | コ            | コ         | 士                 | 丰            | 1                 |                  | 101        |                   | 1                  | 丰       |                     | コ         |           | 士       | <b>j</b>                                    |
| (3       |          | H          | -              | ╫      | ╀       | ╁        | ┝            | $\vdash$                    | l | <u> </u>   | 52<br>53   | Н        | $\dashv$  | $\dashv$       | $\dashv$     | +            | 4         |                   | ╀            | ┨                 | <u> </u>         | 102        | $\vdash$          | - -                | ╀       | ╀┤                  | $\dashv$  | 4         | 4       | 4   |
| 4        | 1        |            | 士              | 土      | İ       |          |              |                             | 1 |  | 54         |          |           |                |              | 7            | 7         | $\top$            | 上            | 1                 |                  | 104        |                   |                    | $\perp$ | Н                   | $\exists$ | +         | +       | 1 !   |
| - 5      |          |            | +              | +-     | $\perp$ | +-       | $\vdash$     | L                           |   | <u> </u>   | 55         |          |           |                | $\Box$       | $\exists$    | $\exists$ | 工                 | Ţ            | ]                 |                  | 105        | П                 | $\perp$            | F       |                     |           | $\Box$    | 1       | ] '   |
| 1 7      | _        |            | +              | +      | ╁       | ╫        | H            | ├                           |   | ┝  | 56<br>57   | $\vdash$ | $\vdash$  | $\dashv$       | $\dashv$     | ┥            | +         | ┿                 | ╁            | 1                 |                  | 106<br>107 | $\vdash$          | <del>.   .</del>   | ╁       |                     | ┥         | $\dashv$  | +       | -   |
| 8        |          |            | 丁              |        | I       |          | 匚            |                             |   |  | 58         |          |           |                |              | ╛            |           | 土                 | İ            | 1                 |                  | 108        |                   | Ť                  | T       |                     |           |           |         | 1   |
| 10       |          | _          | +              | +      | ╀       | ∔-       | Ļ            | L                           | ļ | <u> </u>   | 59         | Ш        | Ц         | 4              | 4            | 4            | 4         | $\bot$            | $\perp$      |                   |                  | 109        | Ц                 | 4                  | $\bot$  |                     | $\Box$    | $\exists$ |         | ]   |
| 11       |          |            | $\dashv$       | +      | ╁       | +        | ┢            | ╁                           | ł | ⊢  | 60<br>61   | -        |           | ┥              | $\dashv$     | ┪            | $\dashv$  |                   | ╁            | ┨                 | _                | 110<br>111 | Н                 | ┿                  | ╁       | $\vdash$            |           | $\dashv$  | +       | -   |
| 12       |          | $\square$  |                | 工      | ľ       |          |              |                             | 1 |  | 62         |          |           |                |              | ⇉            | 士         | 土                 | İ            | 1                 |                  | 112        |                   |                    |         |                     | ╛         |           | 土       | 1   |
| 13       |          | Н          | +              | ╀      | ╀       | ╀        | ┞            | _                           |   | <u> </u>   | 63         | П        | 4         | 4              | 4            | 4            | 4         | 4                 | ╄            | 1                 |                  | 113<br>114 | $\dashv$          | 4                  | F       |                     | 4         | $\dashv$  | +       | ]   |
| 15       | V        | $\vdash$   | +              | ┿      | ╁       | +        | ┢            | H                           |   |  | 65         | Н        | $\dashv$  | ┪              | $\dashv$     | $\dashv$     | $\dashv$  | +                 | ╁            | 1                 |                  | 115        | $\vdash$          | ╁                  | ╁       | Н                   | $\dashv$  | -         | +       | -   |
| 16       |          | П          | $\blacksquare$ | I      | L       |          |              |                             |   |  | 66         |          |           |                | $\Box$       | $\Box$       |           |                   |              | 1                 |                  | 116        |                   |                    | 工       |                     | $\Box$    |           | 工       | ]   |
| 17       |          | H          | +              | ╫      | ╀       | ╀        | ⊢            | $\vdash$                    |   | <u> </u>   | 67<br>68   | Н        | $\dashv$  | $\dashv$       | +            | +            | 4         | +                 | ╀            | -                 | _                | 117<br>118 | Н                 |                    | ╀-      | ╀╼┨                 | -         | -         |         | -   |
| 19       |          | П          | $\top$         | 土      | 士       | T        |              |                             |   |  | 69         | Н        |           | $\dashv$       | +            | +            | ┪         | +                 | H            | 1                 |                  | 119        | H                 | +                  | +       | Н                   | -         | $\dashv$  | +       | 1   |
| 20       |          | П          | $\perp$        | Ţ      | Ţ       | oxday    |              |                             | 1 |  | 70         |          | $\Box$    |                | $\Box$       |              | 1         | 工                 | I            | 1                 |                  | 120        | $\Box$            |                    |         |                     |           | $\Box$    |         | ]   |
| 21       |          | Н          | +              | ╀      | ╀       | ╀        | ⊢            | H                           |   | <u> </u>   | 71<br>72   | Н        | $\dashv$  | $\dashv$       | +            | $\dashv$     | +         | ╇                 | ╀            | -                 |                  | 121<br>122 | $\vdash$          |                    | ╀       | Н                   | 4         | +         |         | }   |
| 23       |          |            |                | 士      | Ť       |          | t            |                             |   | $\vdash$   | 73         | Н        | $\dashv$  | $\dashv$       | 7            | ┪            | $\dashv$  | ╅                 | ╁            | 1                 |                  | 123        | $\vdash$          | -                  | +       | H                   | -         | $\dashv$  | ╅       | 1   |
| 24       |          |            | $\perp$        | $\bot$ | Ţ       | $\Box$   | _            |                             |   |  | 74         |          |           | $\Box$         | 1            | $\Box$       | コ         | T                 |              | 1                 |                  | 124        |                   | 工                  | 1       |                     |           | 耳         | 工       | 1   |
| 25<br>26 | +        | ╁╌┧        | +              | ╁      | ╁       | ╁        | ⊢            | $\vdash$                    |   | $\vdash$   | 75<br>76   | Н        | $\dashv$  | $\dashv$       | +            | +            | +         | +                 | ╀            | 1                 |                  | 125<br>126 |                   | +                  | ╀       | $\vdash$            |           | -+        | _       | -   |
| 27       |          |            |                | 上      | İ       |          |              |                             |   |  | <b>7</b> 7 |          |           |                | 1            | <u> </u>     | ╛         | $\top$            |              | 1                 |                  | 127        |                   |                    | T       | Н                   | $\dashv$  | 1         | +       | 1   |
| 28       |          | Н          | 4              | ╀      | ╀       | ╀-       |              |                             |   |  | 78         | Ц        |           | $\Box$         | 4            | 4            | Ţ         | $\bot$            | L            | ]                 |                  | 128        | Ц                 | $\Box$             | $\top$  | П                   | $\Box$    | $\Box$    | I       |   |
| · 30     |          | ┼┤         | +              | +      | +       | ╁        | ┢            | Н                           |   | $\vdash$   | 79<br>80   | Н        | $\dashv$  | $\dashv$       | +            | +            | +         | +                 | H            | $\mid \cdot \mid$ | -                | 129<br>130 | $\dashv$          | +                  | ╁       | ╀┤                  | -         | $\dashv$  | +       | 1   |
| 31       |          |            |                | I      | 上       |          |              |                             |   |  | 81         |          |           |                | コ            | 士            | コ         | 土                 | 上            | 1                 |                  | 131        |                   | 士                  | 士       | 口                   |           |           |         | j l   |
| 32       | +        | ┼┤         |                | +      | ╀       | +        | ⊢            | H                           |   | <u> </u>   | 82<br>83   | Н        | $\dashv$  | 4              | +            | +            | 4         | +                 | +            |                   |                  | 132        | $\dashv$          | $\perp$            | $\perp$ | $oldsymbol{\sqcup}$ | 4         | $\dashv$  | +       |   |
| 34       |          | Ш          | $\pm$          | $\pm$  | t       |          | H            |                             |   | _  | 84         | H        | $\exists$ | 7              | $\forall$    | +            | $\dashv$  | +                 | t            | 1                 |                  | 133<br>134 | Н                 | ┰                  | +       | Н                   | 7         | $\dashv$  | +-      | 1   |
| 35       |          | Ц          | 7              | 1      |         |          | L            |                             |   |  | 85         |          | $\Box$    | $\Box$         | 1            | 1            | $\Box$    | $\perp$           | Γ            | 1                 |                  | 135        |                   |                    | I       | П                   | $\Box$    | コ         | $\perp$ | ]   |
| 36       | _        | Н          | +              | ╁      | ╁       | ╆        | ┝            | Н                           |   | <del> </del>                                     | 86<br>87   | Н        | $\dashv$  | $\dashv$       | $\dashv$     | $\dashv$     | $\dashv$  | +                 | ╀            | 1                 |                  | 136<br>137 | $\vdash$          | +                  | ╀┈      | Н                   | $\dashv$  | -         |         | 4   |
| 38       | <u> </u> |            |                | 1      | İ       |          |              |                             |   |  | 88         |          | $\exists$ |                |              | $\top$       | $\top$    |                   | +            | 1                 |                  | 138        | $\dashv$          | 十                  | 十       | H                   | 7         | 十         | +       | 1   |
| 39       |          | $\vdash$   | $\bot$         | $\bot$ | L       | $\vdash$ |              | П                           |   |  | 89         | П        |           | _              | $\downarrow$ | $\downarrow$ | $\perp$   | T                 | $oxed{\Box}$ | ]                 |                  | 139        |                   | $\perp$            | oxdot   | П                   | $\Box$    | $\dashv$  | $\Box$  | ]   |
| 40       |          | H          | +              | +      | +       | +        | $\vdash$     | Н                           |   | <del>                                     </del> | 90<br>91   | Н        | $\dashv$  | $\dashv$       | $\dashv$     | +            | +         | +                 | +            | $\mid \mid$       |                  | 140        | $\dashv$          | +                  | ╀       | $\vdash$            | -         | +         | +       | <del>]</del>                                |
| 42       |          |            | 士              | İ      | İ       |          |              |                             |   |  | 92         |          | ╛         | 士              | 士            | 士            | 士         | 土                 | $\perp$      | 1                 |                  | 142        |                   | 士                  | $\perp$ |                     | 士         | ╛         | 1       | j   |
| 43       |          | ┝┤         | -              | +      | +       | 1        | L            | Н                           |   | _  | 93<br>94   | Н        | 4         | $\dashv$       | $\bot$       | 4            | $\bot$    | $\bot$            | F            | 1                 |                  | 143        | $\Box$            | $\bot$             | F       | П                   | $\exists$ | $\Box$    | -       | ]   |
| 45       |          | ╁┪         | +              | +      | 十       | $\vdash$ | ┢            | Н                           |   |  | 95         | Н        | ┥         | $\dashv$       | +            | +            | +         | +                 | +            | $\mid \mid$       |                  | 144<br>145 | Н                 | +                  | ╁       | <del>├</del> ┤      | $\dashv$  | $\dashv$  | +       | {   |
|          |          | 100        | MA PE          | 71 100 | 1 400   | 1        | 1984         | 100                         |   |  | 1961       |          |           |                |              |              | ×         | W 74              |              | 1454              | 46 : 1 <b>54</b> | ¥1461      | ***               | <b>100</b> 4 (5.46 | W 20    | 1964                | -         |           |         | <b>विकास विकास विकास कार्याल कार्याल है</b> |
| 47       |          | $\vdash$   | +              | ╁      | ╁       | ╀        | -            | Н                           |   | $\vdash$   | 97<br>98   | Н        | $\dashv$  | $\dashv$       | +            | +            | +         | +                 | +            | 1                 |                  | 147<br>148 | $\dashv$          | +                  | ╀       | $\vdash$            | 4         | +         | +-      |   |
| 49       | 工        |            | $\perp$        |        | 上       |          |              | H                           | , |  | 99         |          | ╛         | $\exists$      | <u> </u>     | T            | 士         | 士                 | T            | 1                 |                  | 149        |                   | ╧                  | $\perp$ | ┟┨                  | _†        | _         | 士       | j   |
| 50       |          | Ц          | $\Box$         | I      |         |          |              |                             |   |  | 100        | Ц        | $\Box$    | $\Box$         | $\Box$       | $\perp$      | $\Box$    | $\prod_{i=1}^{n}$ | ľ            | ]                 |                  | 150        |                   |                    |         |                     | $\Box$    | $\Box$    |         | ]   |

Application/Control No.

Index of Claims

Applicant(s)/Patent under Reexamination